

# TRV-A300SER

## Vacuum Tube Integrated Amplifier

### User's Manual

Please read the manual carefully before installation and operation.

## Vacuum Tube Integrated Amplifier

Thanks for choosing our TRIODE TRV-A300SER Vacuum Tube Integrated Amplifier as an important part of your music system and please read the manual carefully before installation and operation.

In order to prevent damage during transportation the amplifier is packed with protective foams surrounding the tubes. Before installation please remove these foams to avoid any risks.

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### Suggestions

TRIODE TRV-A300SER Vacuum Tube Integrated Amplifier is designed and manufactured with our original parts and reaching the best results. We are not responsible for problems and damages caused by non-original parts replacement in the amplifier.

### Package Contents

Please carefully check the package first and then open the package. Package contents include:

1. TRIODE TRV-A300SER..... 1
2. Main Fuses..... 2
3. Power cord..... 1
4. User's Manual..... 1
5. TRM-INT. Remote control unit..... 1

Recommendation:

Keep all packing materials for future use.

Note:

Please make sure local voltage level is matched with the input level of the amplifier which indicates on the rear panel. Too low or too high voltage may cause problem and in case you've found improper voltage please contact our company or our local agent.

## Product Features

- ◆ Hand-made construction with the finest point-to-point wiring.
- ◆ Specially designed toroid transformer for power supply.
- ◆ Two EI output transformers with wide bandwidth are applied.
- ◆ Two 12AU7s and one 12AX7 are used in the preamp stage.
- ◆ Two 300B tubes are used for class A amplification.
- ◆ One piece of 5AR4 is used for high voltage rectification.
- ◆ Headphone output jack has been used.
- ◆ Easily installed Tube cover.

## Safety Precautions

1. Unplug the power cord if you are not going to use the product for an extended period of time.
2. Temperature will become higher after working in long period of time and please keep the unit's ventilation open and install the amplifier at a well-ventilated place to avoid troubles and fire hazard.
3. Forbidden to operate when the output is open or shorted.
4. Do not attempt to service this product yourself. Opening the cover may expose you to dangerous voltage or other hazards.
5. We are not responsible for any problems caused by checking and opening without permission of our company. For service, Please contact a qualified service technician.
6. Do not place any objects filled with liquids such as vases or some others on the top or around.
7. Clean only with dry cloth.
8. Please move the amplifier carefully not to drop the unit or be subject to other strong shocks.



- ◆ To reduce the risk of electric shock, do not remove the cover.
- ◆ No user serviceable parts inside. Refer servicing to qualified service personnel.
- ◆ To reduce the risk of fire or electronic shock, do not expose the unit to rain or moisture.



The lightning flash with arrow head symbol, within an equilateral triangle, is intended to alert users to the presence of uninsulated "dangerous voltage" within the product that may be of a risk shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## Vacuum Tube Integrated Amplifier

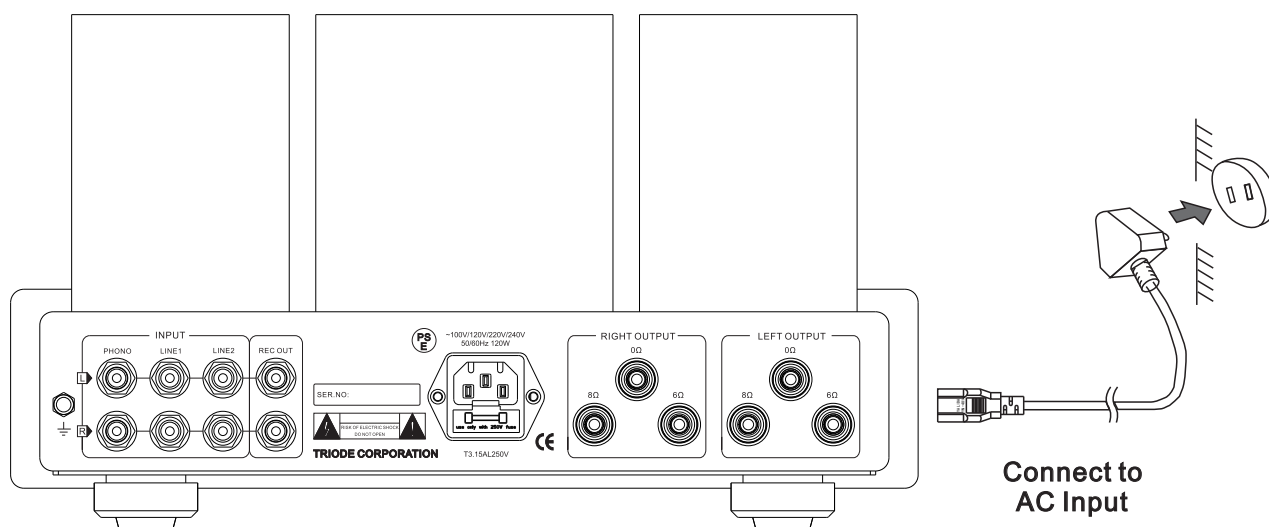
### Warranty

1. This product is warranted for a period of twelve months beginning from the date of purchase.
2. The defective product must be returned to your dealer or our company for repairing when your dealer or our company accepts your requirement.
3. The warranty doesn't extend to any product that has been opened by you without permission of our company.

Note: The information in this manual is subject to changes without notice.

### Precautions

- ◆ Connection of the power cord.
- ◆ Connect the speaker cables and signal cables first and then insert the power cord into the power socket.



Note:

1. It is normal that power transformer becomes hot for extended period of operation.
2. Please unplug the power cord if you're not going to use the product for an extended period of time.

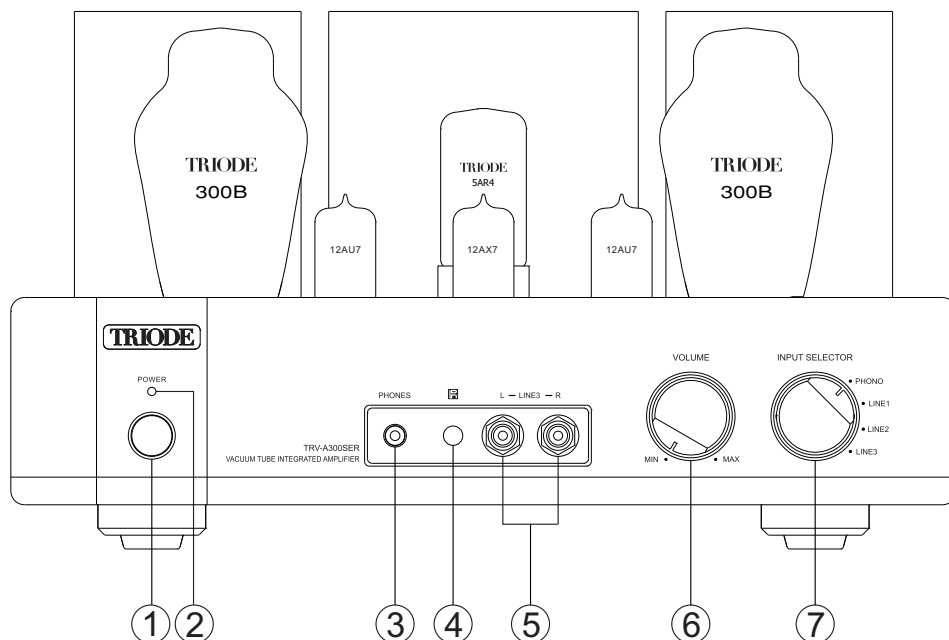
Warning:






**Please make sure corresponding voltage is the same as required. We are not responsible for damage caused by misuse of unsuitable voltage.**

**Note: Connect the speaker cables and signal cables first and then insert the power cord into the power socket.**

## Vacuum Tube Integrated Amplifier

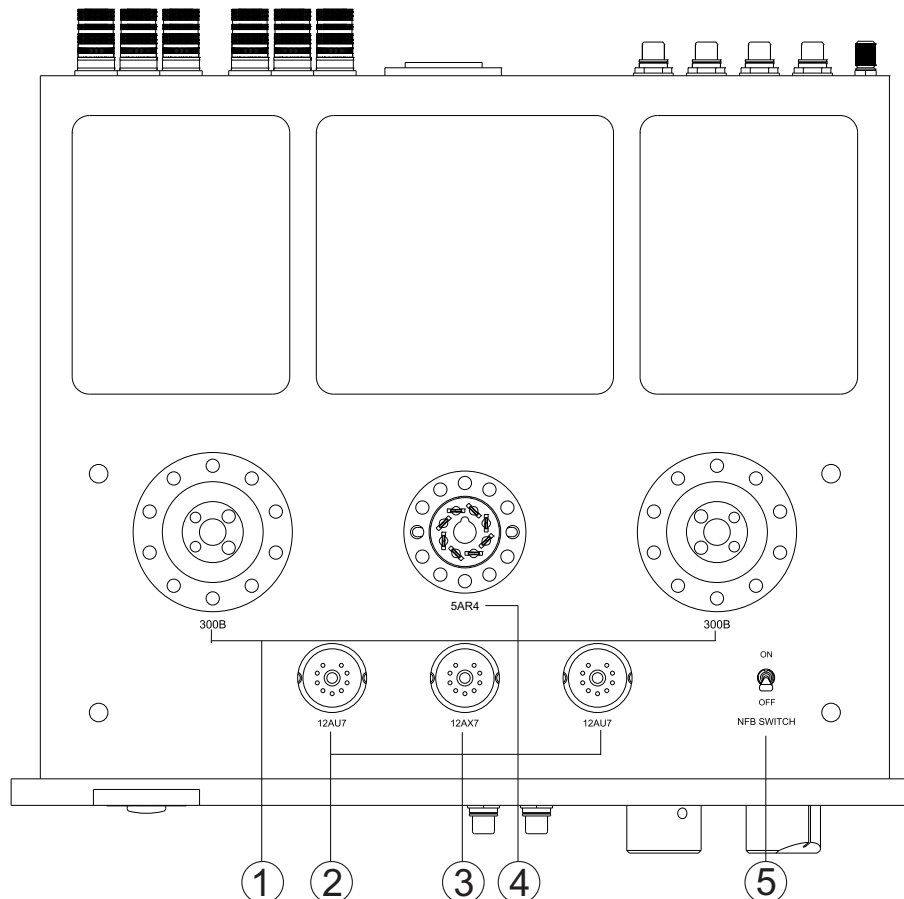
### Front Panel:



No.	Name	Marks	Description
①	Power Switch (  ON/  OFF)	POWER	Switch ON/OFF the amplifier: “  ” ON: Switch on; “  ” OFF: Switch off. Note: Unplug the power cord if you are not going to use the product for an extended period of time.
②	Power Indicator		Indicating the operation mode. If switched on the LED will keep lighting.
③	Headphone Socket	PHONES	Helping you enjoy the high-qualified music alone.
④	Remote Sensor Window		Receiving the remote signal.
⑤	Signal Inputs	INPUTS	Used for source input(CD, AUX1, AUX2).
⑥	Volume Switch	VOLUME	Controlling the mail volume
⑦	Input Selector	INPTU SELECTOR	Selecting the input signals.

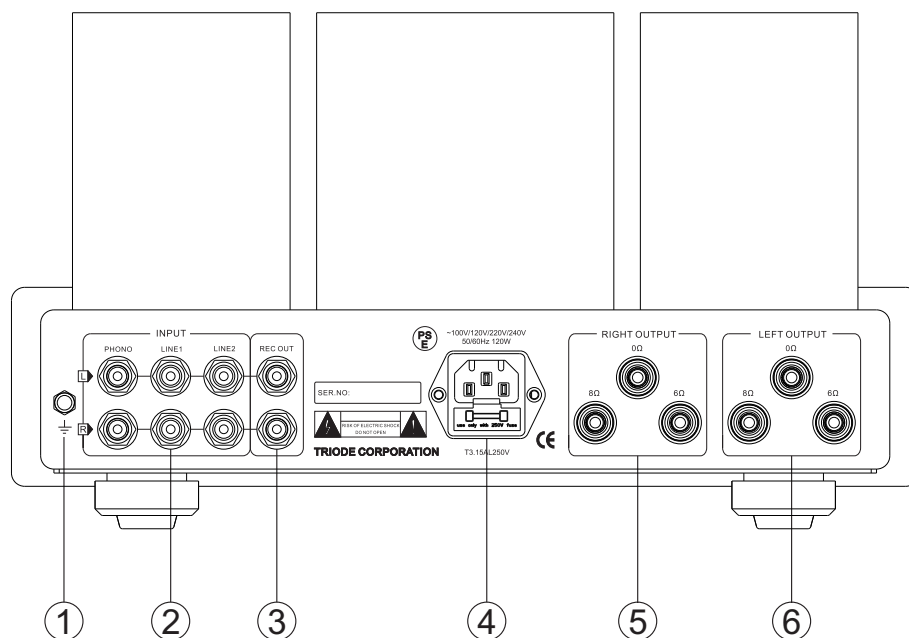
## Vacuum Tube Integrated Amplifier

### Overview From The Top:



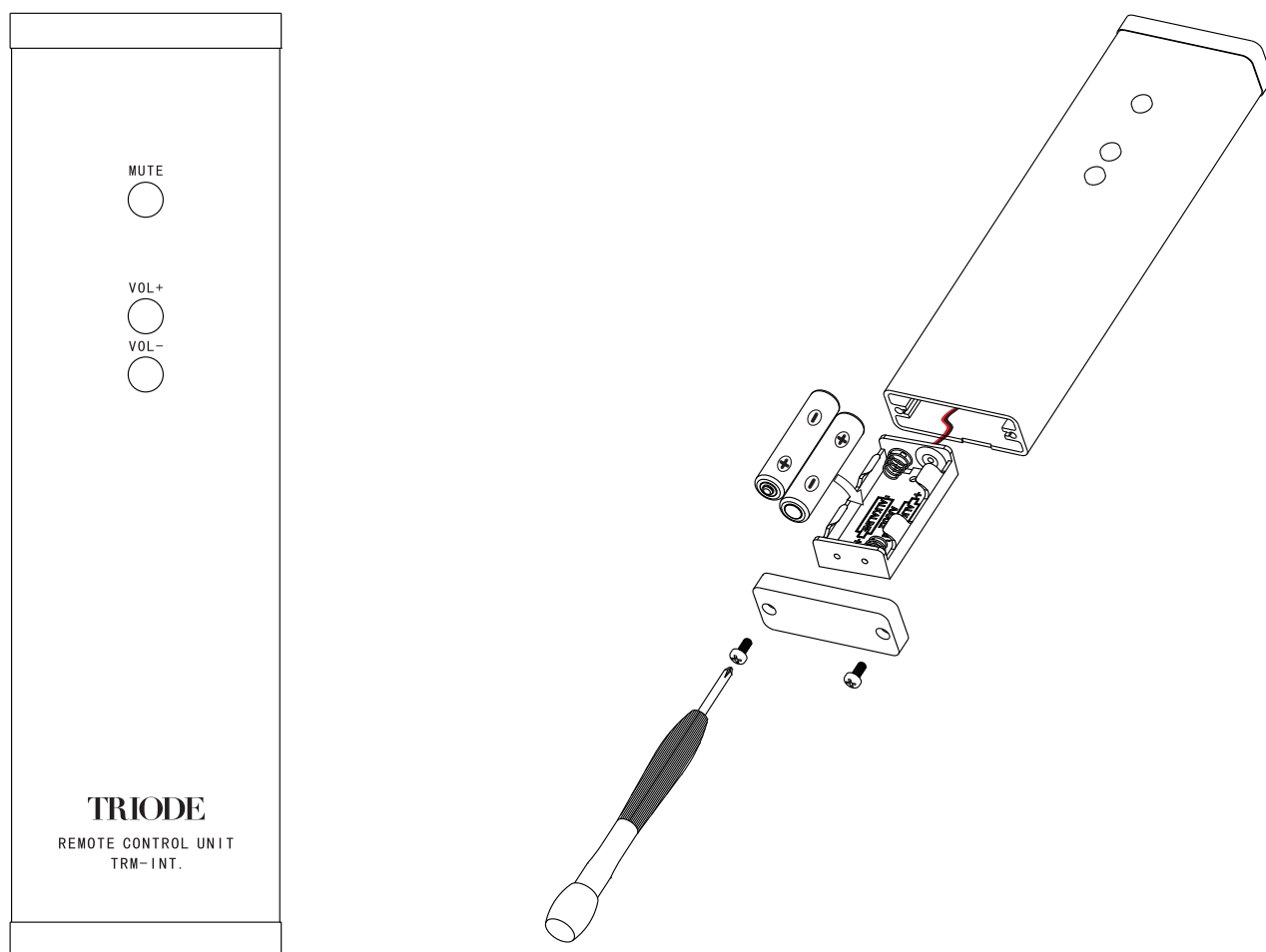
No.	Name	Sign	Description
①	Power Tube	300B	300B Power Tube
②	Twin-Triode	12AU7	12AU7 Drive Tube
③	Twin-Triode	12AX7	12AX7 Voltage Amplification Tube
④	Rectifier Tube	5AR4	5AR4 Rectifier Tube
⑤	NFB Switch	NFB SWITCH(ON/OFF)	If NFB Switch positions at ON the NFB operation state is -3dB while if positions at OFF the operation state is 0dB.

## Rear Panel:



No.	Name	Marks	Description
①	Ground	$\perp$	Used to connect with the ground
②	Signal Inputs	INPUTS	Used for source input(PHONO, LINE1, LINE2, LINE3).
③	Recorder Output	REC OUT	Used for source output
④	Power Socket With Main Fuse		Main fuse is located on the rear of the amplifier just below the power cord socket. Replace with the same type and value of fuses.
⑤	Right Channel Output	RIGHT SPEAKER OUTPUTS	Used to connect with the right channel of the speakers.
⑥	Left Channel Output	LEFT SPEAKER OUTPUTS	Used to connect with the left channel of the speakers.

## Remote Control Unit:



### *About the keys*

1. "MUTE": Mute button
2. "VOL+": Increase the main volume
3. "VOL-": Decrease the main volume

### *How to install the batteries*

- 1 Handle the remote control unit face downwards and screw open the rear cover with the attached hexagon screwdriver.
- 2 Pull out the battery case carefully (do not break the wire connected).
- 3 Put in the two "AAA"(R03) batteries with correct polarity.
- 4 Push in the battery case and screw close the rear cover.



### Installation:

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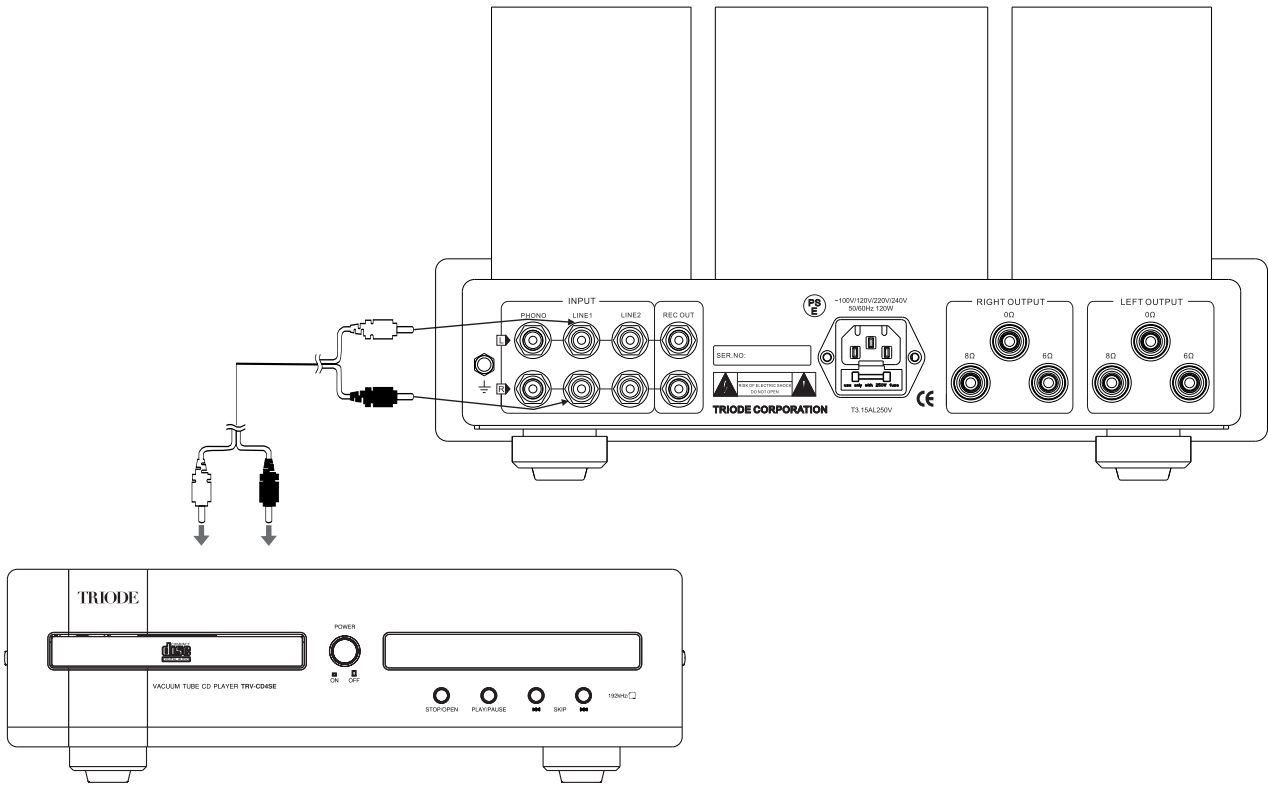
Carefully read and follow the Manual for installation:

1. Do not place the product near heat sources such as radiators, heat registers or other products that produce heat.
2. In order to avoid being overheated please keep the unit's ventilation open.
3. Do not expose this appliance to rain or moisture.
4. Amplifier should install steadily and make sure all four feet are on the same level.
5. Keep the amplifier in a certain distance so that it can be easily connected.
6. Keep the amplifier in 15CM's distance to the surrounding walls.

Note: Input voltage level of the amplifier is 100VAC $\sim \pm 5\%$  and please make sure that the supply voltage is proper. Too low or too high voltage may cause problem or reduce its life.

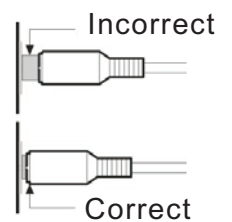
## Audio Equipment Connection

Connection method of TRIODE TRV-A300SER with other audio equipments, take pictures below for your reference:



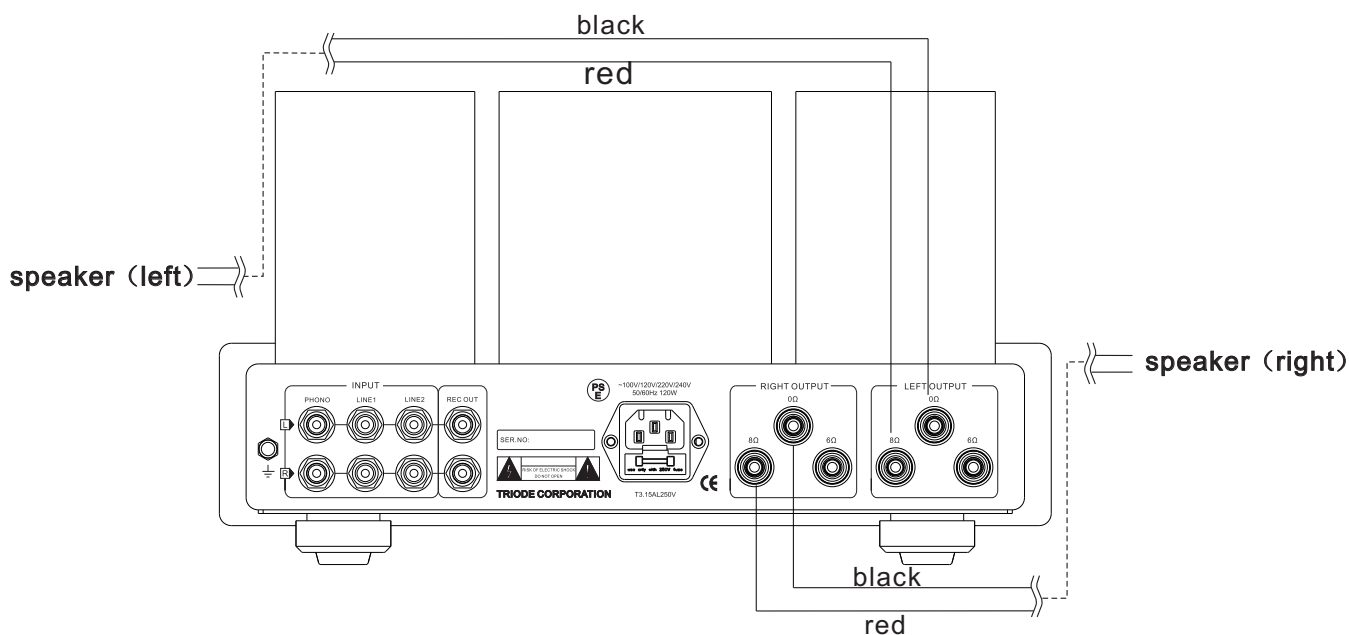
### Suggestions:

1. During installation please always refer to other products' operation manuals.
2. Please do not insert the power cord into the main socket only if all other instruments are well connected.
3. R refers to right channel while L represents left channel.
4. Please take the right guidance for connection as wrong connection may cause noise or low grade function.
5. Do not fasten signal cables together with other cables just like the power cables to avoid disturbance.



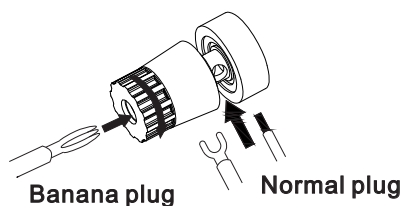
### Speaker Connection

- ◆ Check the impedance of your speakers. Attach the positive from your speaker to the 6 or 8 ohm terminals and the negative to the 0 ohm terminals separately.
- ◆ 6 ohm or 8 ohm impedance speakers are preferential. If your speakers are 4 ohm it would *not* cause damage to the amplifier. You can attach them to the 6 ohm terminals.



### How to connect the speaker cables:

1. Unscrew the terminal knobs,
2. Insert the speaker cables,
3. Screw the terminal knobs.



### Note:

Connect the speaker cables with the amplifier after it is well connected with the speakers. Please notice the right direction indication of the cable and do not mix up the positive and the negative end.

## Turning On

Before turning on the amplifier please make sure all connections are right and power supply is stable.

1. Turn on the amplifier and the power LED will be on. It shines and indicates that the amplifier is working.
2. In 30 seconds the power LED will keep lighting up. It means the amplifier functions very well. Or if the LED is not on please contact with our local agent or our company.
3. Select the right sound source, adjust the volume to a certain position and then you can enjoy the music you prefer.

### Note:

1. Forbidden to insert or pull out the signal cable and speaker cables during operation, in case that it will do damage to the machine or other equipments.
2. Switch on the amplifier once again in at least two minutes if the unit has been shut down , in case that it will do damage to the vacuum tubes.

## Specifications

Item	Specification
Power Output	8W+8W
Frequency Response	15Hz~35kHz (-3 dB)
THD	0.5%
S/N Ratio	83 dB
Input Sensitivity	320 mV PHONO:2.5mV
Input Impedance	100K $\Omega$ PHONO:47K $\Omega$
Output Impedance	6 $\Omega$ , 8 $\Omega$
Voltage	$\sim 100V \pm 5\%$ (50/60Hz)
Dimension	(342x320x200) mm <sup>3</sup>
Tube	12AX7X1、12AU7X2、5AR4X1、300BX2
Net Weight	15kg
Max Power Consumption	120W
Working Condition	Temperature: 0°C ~40°C Moisture: 20%~80%
Storage Condition	Temperature: -20°C ~70°C Moisture: 20%~90%

## Troubleshooting

Please follow the instruction in the manual in order to keep the amplifier work in its best state. If wrongly operated and you thought that would be troubles please check according to following tips to look for the exact reason. Sometimes problems would be caused by the other related products and please have a check too on those connections. Even doing so, if the problem still exists please contact with your local agent or our company.

Problem		Cause	Remedy
NO OUTPUT	Power LED is OFF.	Power cord is not well-connected.	Check power cable connection or power outlet connection
		Main fuse is out.	Replace with the same type and value fuse.
		Troubles of inner parts or components.	Please contact with local agents or our company.
	Power LED is ON.	Volume is at ZERO.	Turn up the Volume.
		NO signal input.	Check the function of the sound source.
			Check the input selection and switch to the proper input.
Sound Distortion		High input signal level.	Turn down the volume to suitable position.
Noise output		Ground of input signal cable is open or bad contact of the input signal cable.	Replace the input signal cable with a new one.
		Components or circuits are in trouble.	Please contact with local agents or our company.
Sound field Positioning is not so good.		Signal input cables or speaker cables are wrongly connected.	Reconnect it as suggested in the manual.
The function of the remote control unit is not sensitive.		Something disturbs in the surroundings. For example, strong fluorescent lamp.	Leave the disturbing source.
		The batteries have not enough power.	Change the batteries.
		There are obstacles between the remote control unit and the player.	Remove the obstacles.